

Ejercicio14sec2.4grossman2d

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Para

$$A = \begin{pmatrix} 1 & 1 \\ 2 & 5 \end{pmatrix}$$

verifique que $\det A^{-1} = \det 1/\det A$

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| Sage Version 3.4, Release Date: 2009-03-11          |
| Type notebook() for the GUI, and license() for information. |
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Sage Version 3.4, Release Date: 2009-03-11
sage] A=matrix(QQ,[[1,1],[2,5]])
sage] A
      ( 1 1 )
      ( 2 5 )
sage] A.det()
      3
sage] A.inverse()
      (  5  -1 )
      (  3  -3 )
      ( -3  3 )
sage] B=matrix(QQ,[[5/3,-1/3],[-2/3,1/3]])
sage] B
      1/3 (  5  -1 )
           ( -2   1 )

sage]
el determinante de esta matriz que tenemos
es de 1/3
lo que nos quiere decir que es el teorema de Sarrus .
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